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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/372,129	08/11/1999	BENOIT BOLSEE	WORLD-TELECO	1090

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EXAMINER
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JAIN, RAJ K

ART UNIT	PAPER NUMBER
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2664

DATE MAILED: 11/05/2003

8

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/372,129

Applicant(s)

BOLSEE, BENOIT

Examiner

Raj Jain

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 25 August 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 4-7 and 9-15 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 4-7 and 9-15 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

### Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Specification***

The abstract of the disclosure is objected to because of undue length. Correction is required. See MPEP § 608.01(b).

### ***Claim Rejections - 35 USC § 112***

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 6 recites the limitation "second lines". There is insufficient antecedent basis for this limitation in the claim.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 4-7, 9-15 are rejected under 35 U.S.C. 102(b) as being anticipated by Chiang et al (US Pat. 4665514).

Regarding claims 4, 9, 10, 13 and 15, Chiang discloses a method and apparatus for integrating digitized voice and data network, comprising:

a plurality of terminals for transmitting digitized signals, wherein the digitized signals may be compressed and uncompressed (**fig 1**);

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a plurality of switches for receiving the digitized signals and for acting as a protocol converter/adaptor for the incoming signals from the plurality of terminals (**Fig 1, SCT**); first lines for connecting the plurality of terminals to at least one of the plurality of switches (**113**);

wherein each of the plurality of switches further comprises a compression module for compressing the incoming voice signals to digitized voice packets when the incoming voice signals are uncompressed and for packaging the compressed digitized data packets in a format compatible with web protocols (**figs 1 & 2; col 5 L1-7**);

wherein each of the plurality of switches further comprises a bridging module for packaging the incoming digitized data packets into a format compatible with web protocols when the incoming packets are compressed (**fig 2; col 7-8**)

wherein each of the plurality of switches further comprises a combining/switching module within the switch for combining the formatted digitized voice packets into long frames (**figs 3 & 4**);

a data network for receiving the long frames from the plurality of switches (**fig 1, 102**);

a second line for connecting the plurality of switches to the data network (**fig 1, 0-7**); and a central switch for receiving the longer frames from the data network and for disassembling, switching and reassembling the longer frames and for returning the reassembled frames to the data network (**claims 1 & 4**).

Regarding claim 12, Chiang further discloses adding a header (**figs 3 & 4; col 3 L1-10**).

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***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 5-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chiang et al (US Pat. 4665514) as applied to claim 4 above, and further in view of Goldberg et al (US006389038B1).

Chiang discloses a method and apparatus for integrating digitized voice and data network.

Chiang fails to disclose the use of Internet for data transfer between different end devices (including phones, computers, fax and the like, etc) and differing network infrastructures.

Goldberg discloses the use of Internet for data transfer between different end devices (including phones, computers, fax and the like, etc) and differing network infrastructures.

Goldberg discloses first lines as PSTN lines (col 2 L60-65), second lines as IP links (fig 4; col 2 L3-10) and Internet networks (col 2 L65-67).

Voice compression with data integration and transfer of the same via single digital transmission line provides an efficient and cost effective methodology of communications while minimizing bandwidth utilization.

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine Goldberg with Chiang so as to have an updated and current

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integrated voice and data network providing an efficient and cost effective communications network.

Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Chiang et al (US Pat. 4665514) as applied to claim 10 above, and further in view of Chuah et al.

Chiang discloses a method and apparatus for integrating digitized voice and data network.

Chiang fails to disclose adding a 4-byte header to the voice packets before combining them.

Chuah et al. discloses a method of packet transport efficiency by appending a unique x-byte header to each voice packet that identifies the voice connection (**col. 7 lines 51-55**).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to append a "4-byte" header or any number thereof to the voice packets as desired to reduce the overhead carried by the voice packets.

### ***Response to Arguments***

Applicant's arguments with respect to claims 4-7 and 9-11 have been considered but are moot in view of the new ground(s) of rejection.

Newly added claims 12-15 have been examined and rejected based on cited references above.

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***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Raj Jain whose telephone number is 703-305-5652. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wellington Chin can be reached on 703-305-4366. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9314 for regular communications and 703-872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-4700.

RJ  
October 20, 2003

A handwritten signature in black ink, appearing to read 'W. Chin', with a long horizontal line extending to the right.

**WELLINGTON CHIN  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600**